

1/8

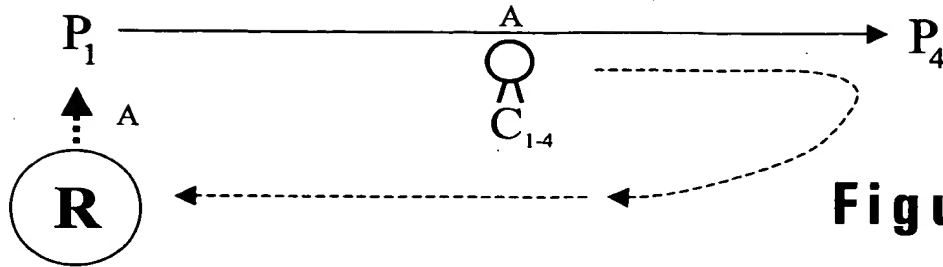


Figure 1

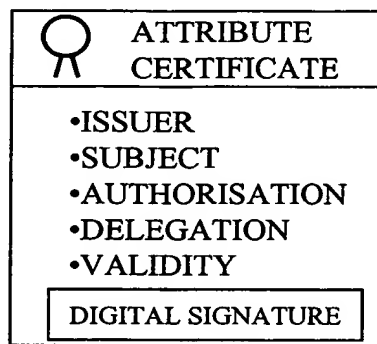
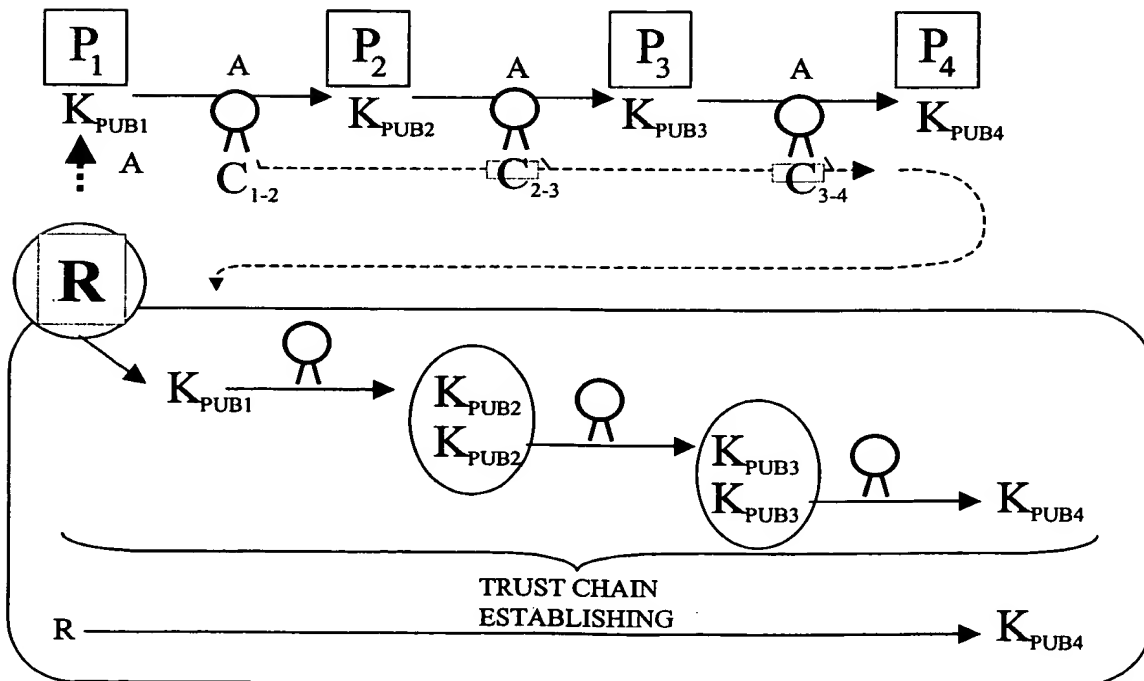


Figure 2

Figure 3



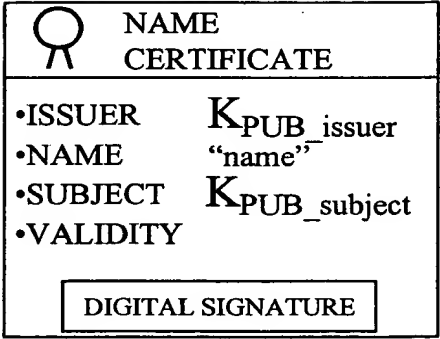


Figure 4

$$K_{PUB_issuer} \cdot \text{"name"} = K_{PUB_subject}$$

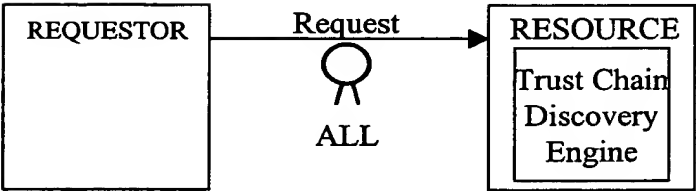


Figure 10

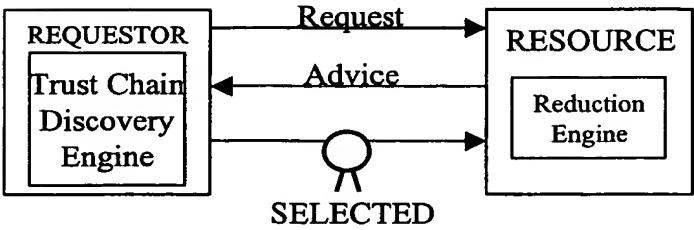
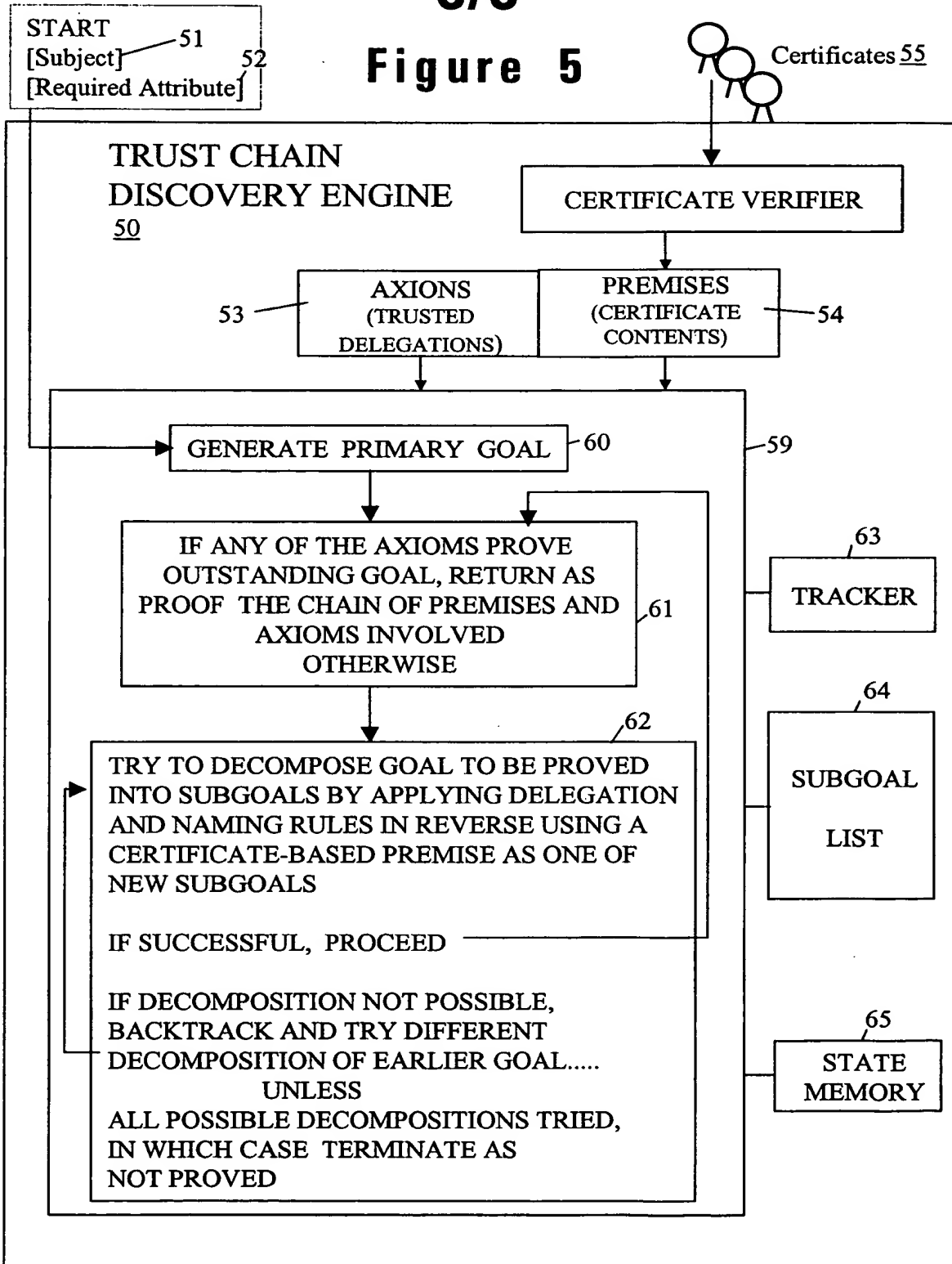


Figure 11

Figure 5



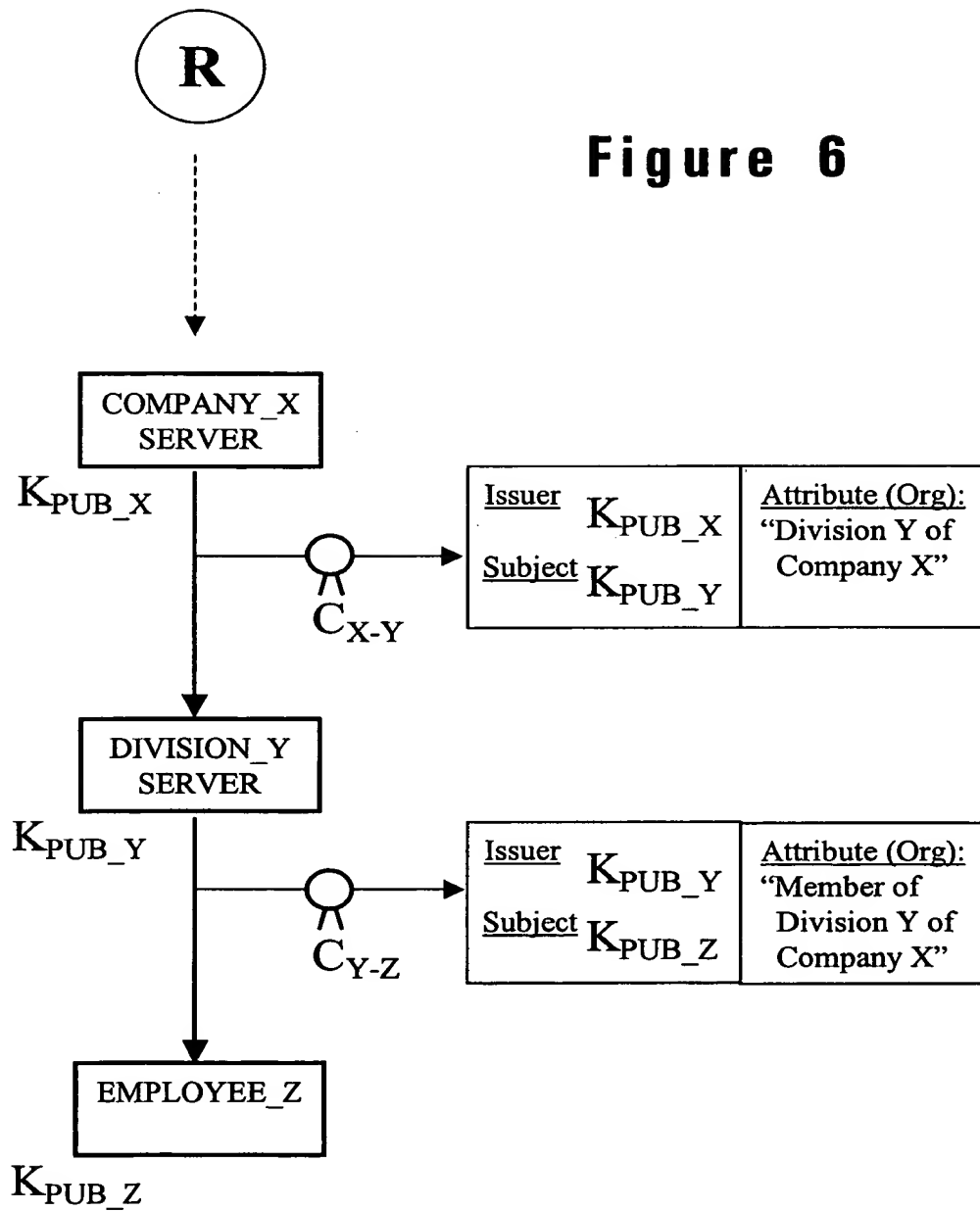
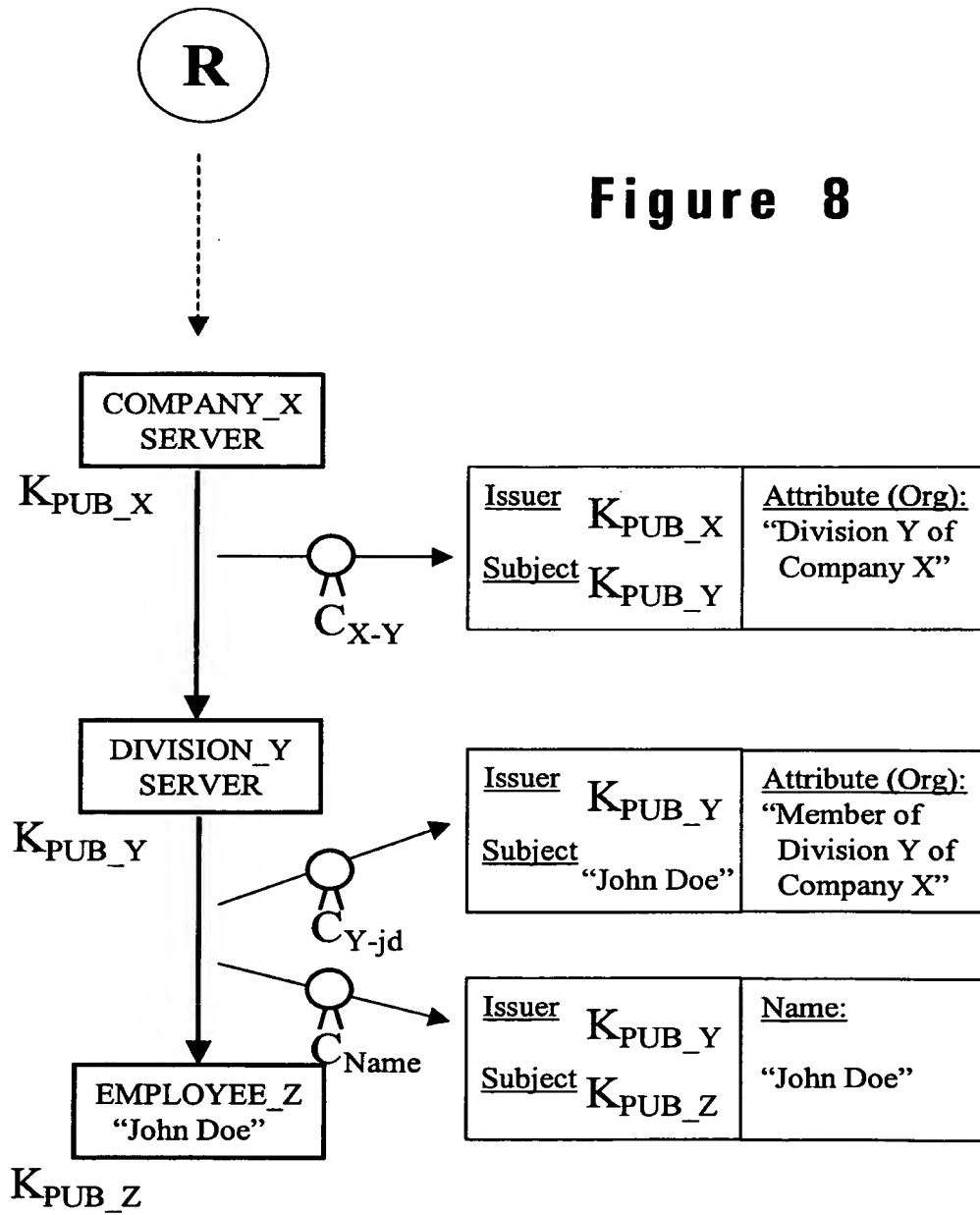


Figure 6

RESOURCE REQUIRES:	REQUESTOR IS MEMBER OF ACCREDITED ORGANISATION
PREMISES	C_{X-Y} $K_{PUB_X} \xrightarrow{\text{"Division Y of Company X"}} K_{PUB_Y}$ C_{Y-Z} $K_{PUB_Y} \xrightarrow{\text{"Member of Division Y of Company X"}} K_{PUB_Z}$
RELEVANT AXIOM	$SELF \xrightarrow{\text{Company X}} K_{PUB_X}$
PRIMARY GOAL	<pre> graph TD G1["<SELF -> K_PUB_Z>"] G2["<SELF -> K_PUB_Y>"] G3["<K_PUB_Y -> K_PUB_Z>"] G4["<SELF -> K_PUB_X>"] G5["<K_PUB_X -> K_PUB_Y>"] G1 --> G2 G1 --> G3 G3 --- J1["JUSTIFIED BY C_Y-Z"] G2 --> G4 G2 --> G5 G4 --- J2["JUSTIFIED BY AXIOM"] G5 --- J3["JUSTIFIED BY C_X-Y"] </pre>
FIRST DECOMPOSITION	
SECOND DECOMPOSITIN	

Figure 7

Figure 8



RESOURCE REQUIRES:	REQUESTOR IS MEMBER OF ACCREDITED ORGANISATION
PREMISES C_{X-Y} C_{Y-jd} C_{Name}	$K_{PUB_X} \xrightarrow{\text{"Division Y of Company X"}} K_{PUB_Y}$ $K_{PUB_Y} \xrightarrow{\text{"Member of Division Y of Company X"}} \text{"John Doe"}$ $K_{PUB_Y} \cdot [\text{"John Doe"}] = K_{PUB_Z}$
RELEVANT AXIOM	$SELF \xrightarrow{\text{Company X}} K_{PUB_X}$
PRIMARY GOAL	$\langle SELF \rightarrow K_{PUB_Z} \rangle$
FIRST DECOMPOSITION	$\langle SELF \rightarrow \text{"John Doe"} \rangle$ $\langle \text{"John Doe"} \rightarrow K_{PUB_Z} \rangle$ <div>JUSTIFIED BY C_{Name}</div>
SECOND DECOMPOSITION	$\langle SELF \rightarrow K_{PUB_Y} \rangle$ $\langle K_{PUB_Y} \rightarrow \text{"John Doe"} \rangle$ <div>JUSTIFIED BY C_{Y-jd}</div>
THIRD DECOMPOSITION	$\langle SELF \rightarrow K_{PUB_X} \rangle$ $\langle K_{PUB_X} \rightarrow K_{PUB_Y} \rangle$ <div>JUSTIFIED BY AXIOM</div> <div>JUSTIFIED BY C_{X-Y}</div>

Figure 9

